Section B:2

Analytical Services (222-S, HASP, WSCF)

PROJECT MANAGERS

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DOE/RL-2000-76, Rev. 9

SUMMARY

The Analytical Services (AS) Project [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, Milestone Achievement, and Cost/Schedule data contained herein is as of July 31, 2001. Other data is updated as noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, DOE-RL) shows no milestones are due.

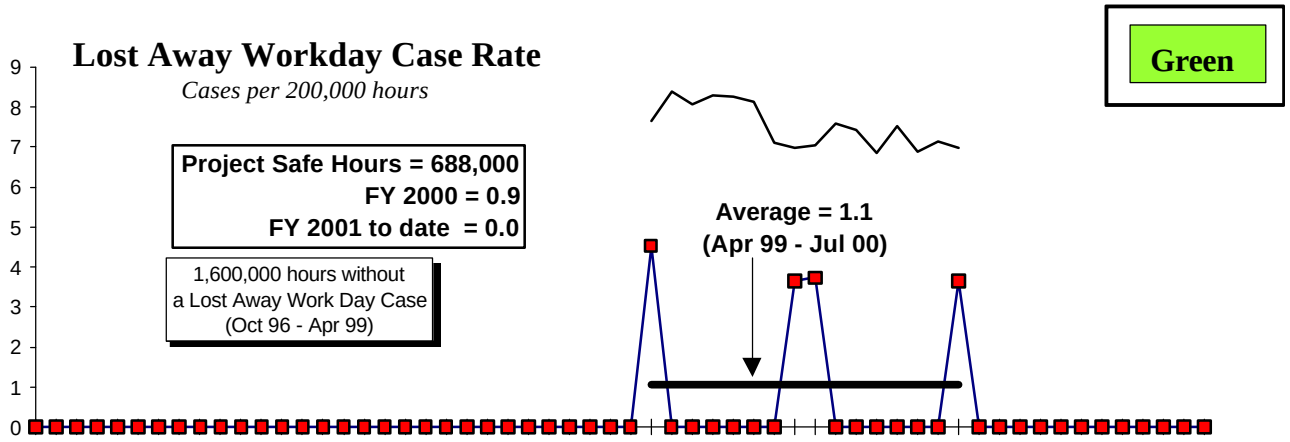
NOTABLE ACCOMPLISHMENTS

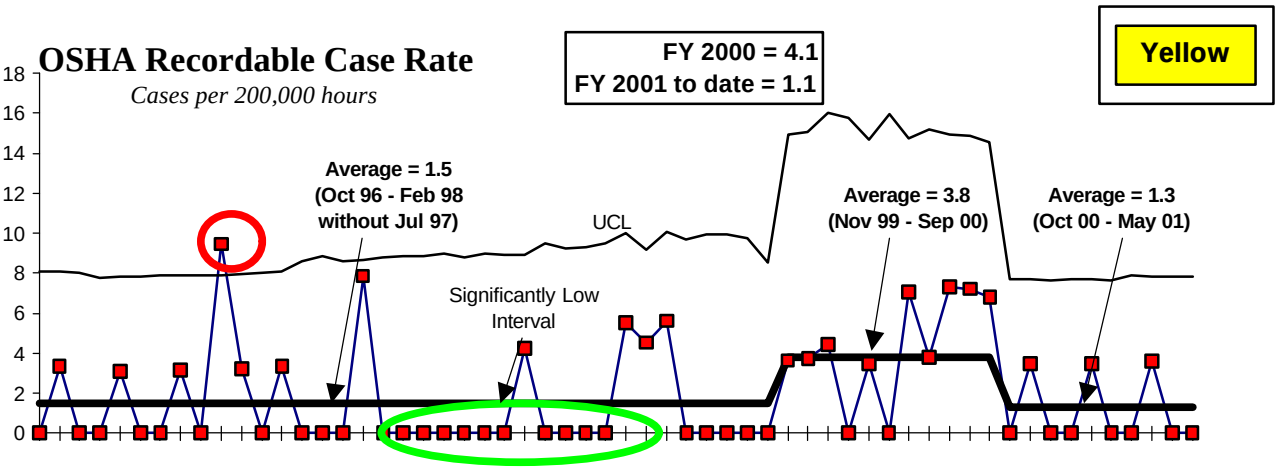
The analytical laboratories are performing key support to site cleanup milestones. Year to date, the laboratories have completed 11 of 12 high level waste tank grab samples and 6 of 6 high level waste tank vapor samples.

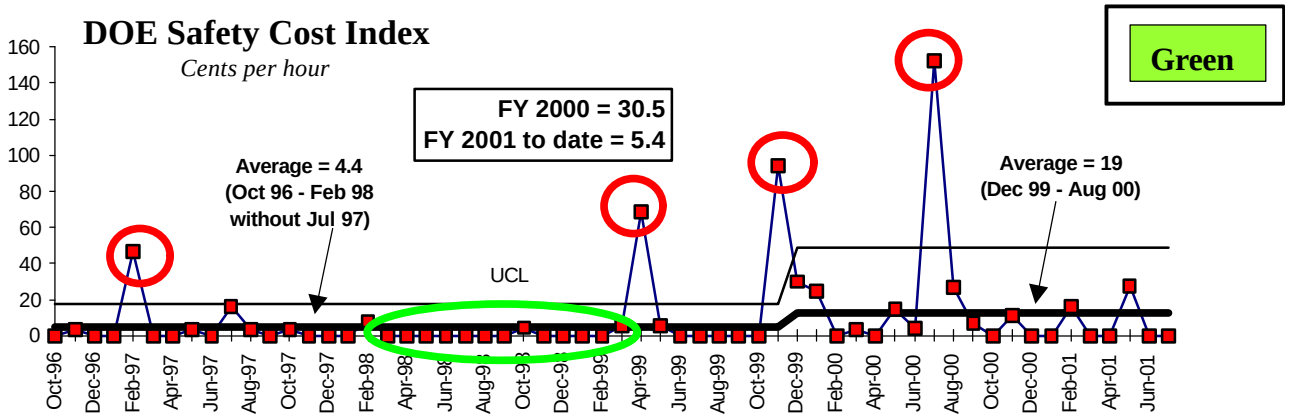
The Waste Sampling and Characterization Facility (WSCF) performed 13,700 analyses through July 2001 for a wide variety of customers. Production through August 20, 2001 was 14,300 analyses.

SAFETY

In July 2001, there were no Restricted Workday cases and one First Aid Case. The OSHA recordable case rate is rated "yellow" because the FH goal of 0.9 cases per 200,000 hours has not yet been reached.


Lost Away Workday Case Rate
Cases per 200,000 hours
Green
Project Safe Hours = 688,000
FY 2000 = 0.9
FY 2001 to date = 0.0
1,600,000 hours without a Lost Away Work Day Case (Oct 96 - Apr 99)
Average = 1.1
(Apr 99 - Jul 00)
0
1
2
3
4
5
6
7
8
9


OSHA Recordable Case Rate
Cases per 200,000 hours
Yellow
FY 2000 = 4.1
FY 2001 to date = 1.1
Average = 1.5
(Oct 96 - Feb 98
without Jul 97)
UCL
Significantly Low
Interval
Average = 3.8
(Nov 99 - Sep 00)
Average = 1.3
(Oct 00 - May 01)
0
2
4
6
8
10
12
14
16
18

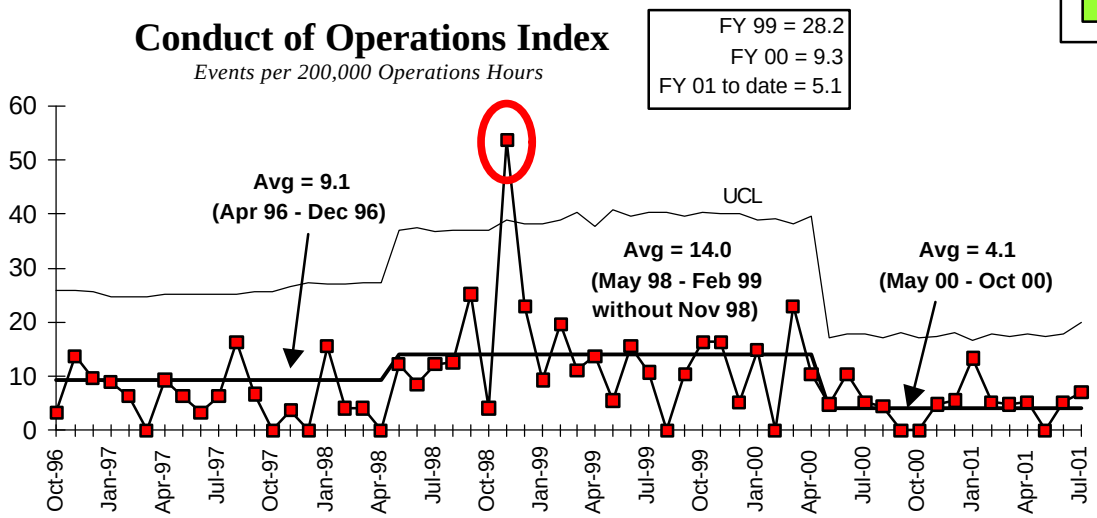

DOE Safety Cost Index
Cents per hour
Green
FY 2000 = 30.5
FY 2001 to date = 5.4
Average = 4.4
(Oct 96 - Feb 98
without Jul 97)
UCL
Average = 19
(Dec 99 - Aug 00)
0
20
40
60
80
100
120
140
160
Oct-96
Dec-96
Feb-97
Apr-97
Jun-97
Aug-97
Oct-97
Dec-97
Feb-98
Apr-98
Jun-98
Aug-98
Oct-98
Dec-98
Feb-99
Apr-99
Jun-99
Aug-99
Oct-99
Dec-99
Feb-00
Apr-00
Jun-00
Aug-00
Oct-00
Dec-00
Feb-01
Apr-01
Jun-01

ISMS STATUS

Analytical Services ISMS status is included in the Waste Management Project Section of this report.

CONDUCT OF OPERATIONS

Green



BREAKTHROUGHS/OPPORTUNITIES FOR IMPROVEMENT

Nothing to report at this time.

UPCOMING ACTIVITIES

ORP Waste Treatment Plant (WTP) - Support RL and Office of River Protection (ORP) efforts to evaluate options for long-term high-activity laboratory support to the Site cleanup mission (i.e. 222-S, WTP laboratory, a new laboratory, etc.).

Support to Nuclear Material Stabilization - The current Service Level Agreement forecasts a substantial increase in support required to the Plutonium Finishing Plant. A Baseline Change Request is being drafted to secure funding for this work.

MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 2001
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
FO	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	1	0	1
Total Project	0	0	0	0	0	1	0	1

Only TPA/EA milestones and all FY2001 overdue and forecast late milestones are addressed in this report. Milestones overdue are deleted from the Milestone Exception Report once they are completed. The following chart summarizes the FY2001 TPA/EA milestone achievement and a Milestone Exception Report follows.

FY 2001 Tri-Party Agreement / EA Milestones
Nothing to report at this time.
DNFSB Commitments
Nothing to report at this time.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

Overdue – 0

Forecast Late – 0

PERFORMANCE OBJECTIVES

Green

Laboratory Production

The analytical laboratories are performing key support to site cleanup milestones. Year to date, the laboratories have completed 11 of 12 high level waste tank grab samples and 6 of 6 high level waste tank vapor samples.

FY 2001 Schedule / Cost Performance – All Fund Types
Cumulative to Date Status – ($000)

Green

By PBS		FYTD BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
WBS 1.2.4 PBS WM06	Analytical Services	$ 25,821	$ 25,666	$ 24,539	$ (155)	-1%	$ 1,128	4%	$ 31,974	$ 32,028
	Total	$ 25,821	$ 25,666	$ 24,539	$ (155)	-1%	$ 1,128	4%	$ 31,974	$ 32,028

Note: RL-Directed costs (steam and laundry) are included.

FY to Date Schedule / Cost Performance

There is no significant schedule variance. The $1.1 million (4 percent) favorable cost variance is primarily due to site-wide credit passbacks and an accrual reversal of FY 2000 unearned fee. Also contributing to the favorable variance is staff vacancies and delay in receipt of contract and assessment costs.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-$0.2M)

Analytical Services — 1.2.4/WM06
Description and Cause: The $0.2 million (1 percent) unfavorable schedule variance is within the established thresholds.

Impact: No impact.
Corrective Action: No corrective action required.

Cost Variance Analysis: (+$1.1M)

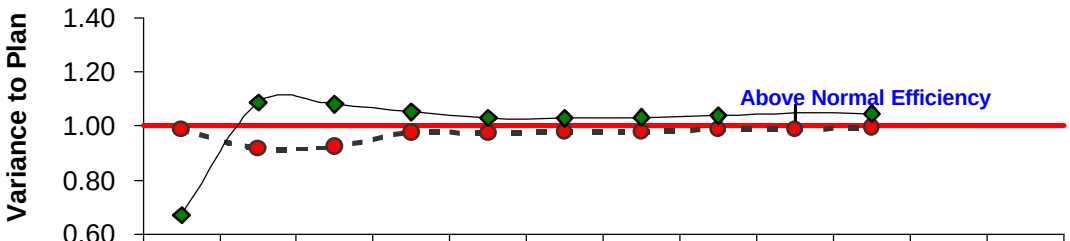
Analytical Services — 1.2.4/WM06
Description and Cause: The $1.1 million (4 percent) favorable cost variance is primarily due to site-wide credit passbacks and an accrual reversal of FY 2000 unearned fee. Also contributing to the favorable variance is staff vacancies and delay in receipt of contract and assessment costs.

Impact: No impact.
Corrective Action: No corrective action required.

SCHEDULE / COST PERFORMANCE (MONTHLY AND FYTD)

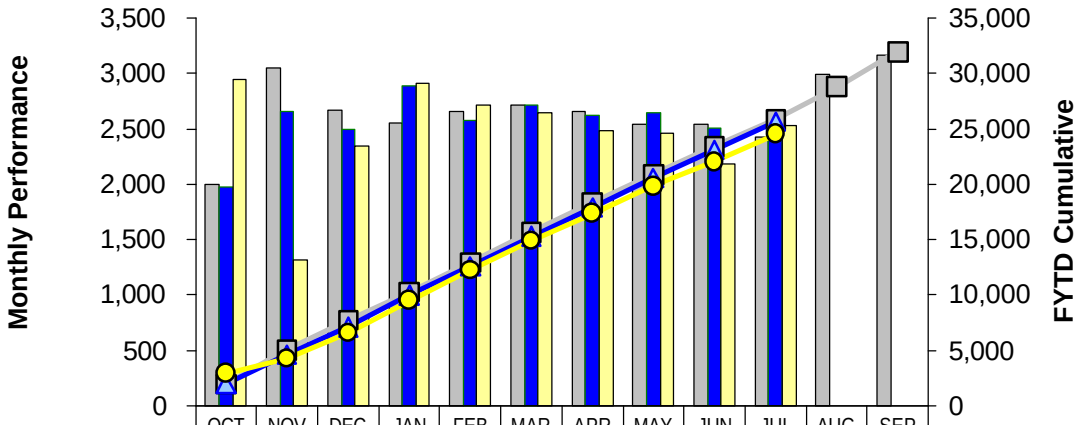
Green

Cost/Schedule Performance Indices (FYTD)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FYTD SPI	0.99	0.92	0.92	0.97	0.97	0.98	0.98	0.99	0.99	0.99		
FYTD CPI	0.67	1.09	1.08	1.05	1.03	1.03	1.03	1.04	1.05	1.05		

Performance Analysis
FYTD and Monthly ($000s)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	2,000	3,052	2,669	2,556	2,664	2,714	2,662	2,537	2,542	2,425	2,990	3,163
MONTHLY BCWP	1,975	2,659	2,499	2,886	2,572	2,716	2,621	2,645	2,509	2,584		
MONTHLY ACWP	2,948	1,312	2,343	2,916	2,714	2,649	2,485	2,457	2,183	2,532		
FYTD BCWS	2,000	5,052	7,722	10,278	12,942	15,656	18,317	20,854	23,396	25,821	28,811	31,974
FYTD BCWP	1,975	4,634	7,133	10,020	12,591	15,307	17,928	20,572	23,082	25,666		
FYTD ACWP	2,948	4,260	6,603	9,519	12,233	14,881	17,366	19,824	22,007	24,539		

FUNDS MANAGEMENT — FY 2001 TO DATE
FUNDS VS SPENDING FORECAST ($000)

	Funds	FYSF	Variance
1.2.4 Analytical Services			
WM06			
Post 2006 - Operating	**$ 30,766**	**$ 30,284**	**482**
Total	**$ 30,766**	**$ 30,284**	**$ 482**

[Status through July 2001]

ISSUES

DOE, Regulatory, External, Technical Issues and DOE Requests

None identified at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
		Nothing to report at this time.							
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

KEY INTEGRATION ACTIVITIES

- Continue to support RL and ORP efforts to establish required analytical support for Waste Treatment Plant (WTP) design and operation.
- Support CHG high-level waste tank vapor and feed to WTP characterization.